Appendix 13.6 Measured Noise Levels within the Stadium

Table A13. 1: Measured Noise Levels

Event	Start Time (hh:mm:ss)	End Time (hh:mm:ss)	Duration (Secs)	Location S6 SW		Location S7 Mid	
				$L_{Aeq,T}$	L_{AFmax}	$L_{Aeq,T}$	L_{AFmax}
Goal 1:0	20:23:04	20:23:43	39	102.8	111.1	101.6	113.0
Goal 2:0	20:26:39	20:27:14	35	102.6	111.1	103.0	112.4
Goal 3:0	20:29:59	20:30:34	35	102.9	111.8	103.4	113.8
Goal 3:1	20:50:52	20:51:22	30	103.7	112.7	94.7	103.4
Goal 4:1	20:54:28	20:54:58	30	101.9	112.2	102.5	114.5
Goal 4:2	21:05:35	21:06:05	30	100.7	110.2	92.9	102.5
Singing	19:34:05	19:35:07	62	92.4	102.7	83.5	90.8
Singing	19:37:28	19:38:04	36	89.3	94.7	84.4	88.9
Cheers for players running onto pitch	19:41:14	-	-	-	101.6	-	98.4
Chanting from Liverpool fans	19:41:48	19:41:56	8	102.5	106.6	92.1	95.8
PA announcement of Liverpool team	19:42:06	19:42:44	38	96.5	105.3	90.0	96.6
PA announcement of Spurs players,	19:42:56	19:43:30	34	98.7	104.8	93.1	101.3
Chanting from Liverpool fans	19:43:41	19:44:25	34	97.5	103.9	90.3	98.0
Singing & cheering from Liverpool fans	19:44:55	19:45:17	22	99.7	105.8	94.2	100.3
Kick off	19:45:56	-	-	-	99.5	-	97.7
Singing from Liverpool fans	19:47:15	19:47:29	14	99.6	105.5	90.4	96.4
Cheer for Spurs corner	19:48:54	-	-	-	105.5	-	91.8
Crowd anticipation pre-corner (hush)	19:49:08	-	-	77.7	-	76.7	-
Shouts for Spurs goal chance	19:49:15	-	-	-	101.3	-	87.6
Shouts for Spurs opportunity	19:50:54	-	-	-	102.3	-	101.4
Crowd applause	19:52:08	19:52:23	15	88.7	-	84.8	-
Shouts for Liverpool goal chance	19:53:08	-	-	-	101.9	-	92.2
Singing from Liverpool fans	19:53:20	19:53:43	23	98.0	104.0	89.5	95.7
Spurs fans cry for foul - northern half	19:54:55	-	-	-	101.6	-	97.2
Shouts for Spurs opportunity	19:55:55	-	-	-	105.6	-	108.6
Shouts for Spurs goal chance	19:58:07	-	-	-	106.6	-	98.0
Singing from Liverpool fans	19:59:30	20:00:34	64	97.4	106.2	87.4	93.3
Shouts for Spurs break/attack	20:04:21	-	-	-	104.7	-	106.7
Shouts for Liverpool counter attack	20:05:00	-	-	-	105.9	-	
Singing from Liverpool fans	20:07:28	20:07:38	10	94.2	101.4	85.4	
Shouts for Spurs opportunity	20:09:08	-	-	-	102.3	-	
Chanting from Liverpool fans	20:13:00	20:13:15	15	96.6	104.9	87.7	
Applause for Spurs goal attempt	20:14:12	20:14:15	3	90.0	-	87.3	
Shouts for Liverpool goal attempt	20:14:50	-	-	-	101.0	-	
Shouts for foul	20:24:22	-	-	-	107.4	-	
Cheers for award of yellow card	20:24:54	-	-	-	102.1	-	94.7
Shouts for foul	20:26:02	-	-	-	101.9	-	95.1
Cheers for award of yellow card	20:26:13	-	-	-	98.0	-	91.0
Chanting from Liverpool fans	20:27:28	20:27:44	16	95.8	99.2	92.4	94.7
Singing around the stadium	20:28:07	20:28:32	25	91.4	97.0	91.1	96.3
Shouts/roar regard Spurs break	20:29:03	-	-	-	102.1	-	101.0
Cheers for award of Spurs corner	20:29:19	-	-	-	100.8	-	97.9
Singing	20:29:31	20:29:46	15	98.1	104.6	96.3	104.8
Singing	20:31:21	20:31:55	34	96.3	-	94.6	103.3
Cheers for half time	20:31:39	-	-	-	104.9	-	103.3
Total Sound Energy First Half	19:45:56	20:31:39	2743	94.4	111.8	91.6	113.8
Total Sound Energy During Interval	20:32:00	20:46:12	852	94.2	110.0	88.7	103.9
Lull 1 during interval	20:32:03	20:35:49	229	79.1	86.9	79.9	95.1
Lull 2 during interval	20:44:07	20:46:13	126	79.7	83.1	79.6	84.4

Event	Start Time (hh:mm:ss)	End Time (hh:mm:ss)	Duration (Secs)	Location S6 SW		Location S7 Mid	
				$L_{Aeq,T}$	L_{AFmax}	$L_{Aeq,T}$	L_{AFmax}
Total Sound Energy Second Half	20:46:37	21:42:17	3340	92.8	112.7	90.6	114.5
Cheers for start of second half	20:46:37	-	-	-	104.9	-	92.3
Spurs shouts for goal opportunity	20:57:17	-	-	-	106.6	-	111.5
Spurs GK taken down	21:10:43	-	-	-	108.8	-	100.7
Chanting from Spurs fans	21:13:06	21:13:28	28	86.5	91.5	85.8	91.3
Singing from Liverpool fans	21:15:06	21:15:27	21	91.8	99.1	86.3	92.8
Cheering	21:18:00	21:18:45	45	87.2	97.6	86.9	97.4
Liverpool goal attempt	21:19:36	21:19:46	10	95.8	99.7	93.6	98.5
Shouts for a foul	21:20:30	-	-	-	99.4	-	100.5
Liverpool shouts for a penalty	21:23:41	23:23:50	9	104.1	109.2	97.2	101.0
Liverpool shot on goal	21:36:59	-	-	-	101.2	-	101.7
Chanting	21:40:29	21:40:53	24	93.8	100.7	88.7	95.2
Cheers for full time	21:42:12	21:42:24	12	98.6	105.6	99.1	106.2
Applause	21:42:59	21:43:09	10	91.4	93.7	90.9	94.2